Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	DEC 18	CA/CAplus pre-1967 chemical substance index entries enhanced with preparation role
NEWS 4	DEC 18	CA/CAplus patent kind codes updated
NEWS 5	DEC 18	MARPAT to CA/CAplus accession number crossover limit increased to 50,000
NEWS 6	DEC 18	MEDLINE updated in preparation for 2007 reload
NEWS 7	DEC 27	CA/CAplus enhanced with more pre-1907 records
NEWS 8	JAN 08	CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS 9	JAN 16	CA/CAplus Company Name Thesaurus enhanced and reloaded
NEWS 10	JAN 16	IPC version 2007.01 thesaurus available on STN
NEWS 11	JAN 16	WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS 12	JAN 22	CA/CAplus updated with revised CAS roles
NEWS 13	JAN 22	CA/CAplus enhanced with patent applications from India
NEWS 14	JAN 29	PHAR reloaded with new search and display fields
NEWS 15	JAN 29	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS 16	FEB 15	PATDPASPC enhanced with Drug Approval numbers
NEWS 17	FEB 15	RUSSIAPAT enhanced with pre-1994 records
NEWS 18	FEB 23	KOREAPAT enhanced with IPC 8 features and functionality
NEWS 19	FEB 26	MEDLINE reloaded with enhancements
NEWS 20	FEB 26	EMBASE enhanced with Clinical Trial Number field
NEWS 21	FEB 26	TOXCENTER enhanced with reloaded MEDLINE
NEWS 22	FEB 26	IFICDB/IFIPAT/IFIUDB reloaded with enhancements
NEWS 23	FEB 26	CAS Registry Number crossover limit increased from 10,000 to 300,000 in multiple databases
NEWS 24	MAR 15	WPIDS/WPIX enhanced with new FRAGHITSTR display format
NEWS 25	MAR 16	CASREACT coverage extended
NEWS 26	MAR 20	MARPAT now updated daily
NEWS 27	MAR 22	LWPI reloaded
NEWS 28	MAR 30	RDISCLOSURE reloaded with enhancements
NEWS 29	MAR 30	INPADOCDB will replace INPADOC on STN
NEWS 30	APR 02	JICST-EPLUS removed from database clusters and STN

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
NEWS X25	X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

* * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 11:41:25 ON 03 APR 2007

=> file reg
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 11:41:52 ON 03 APR 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 2 APR 2007 HIGHEST RN 928880-35-7
DICTIONARY FILE UPDATES: 2 APR 2007 HIGHEST RN 928880-35-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> s 2495-37-6
L1 1 2495-37-6
(2495-37-6/RN)

=> file caplus
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.45	0.66

FILE 'CAPLUS' ENTERED AT 11:42:05 ON 03 APR 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 3 Apr 2007 VOL 146 ISS 15
FILE LAST UPDATED: 2 Apr 2007 (20070402/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

http://www.cas.org/infopolicy.html

```
=> s l1/pof
           504 L1
        220657 POF/RL
L2          27 L1/POF
                (L1 (L) POF/RL)

=> s l2 not py>2001
       6075210 PY>2001
L3            5 L2 NOT PY>2001

=> d ibib 1-5

L3   ANSWER 1 OF 5  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2001:668224  CAPLUS <<LOGINID::20070403>>
DOCUMENT NUMBER:          135:227929
TITLE:                    Fiber-reinforced resin compositions for use in
                          concrete structure patching with low odor and good
                          adhesion and method for patching
INVENTOR(S):              Maeda, Yasuhiro; Akiyama, Kosuke; Murao, Masayoshi;
                          Takayanagi, Takashi
PATENT ASSIGNEE(S):       Japan U-Pica Co., Ltd., Japan
SOURCE:                   Jpn. Kokai Tokkyo Koho, 12 pp.
                          CODEN: JKXXAF
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE        APPLICATION NO.         DATE
     ---------------      ----   --------    --------------------    --------
     JP 2001247636         A     20010911    JP 2000-64328           20000309
PRIORITY APPLN. INFO.:                       JP 2000-64328           20000309

L3   ANSWER 2 OF 5  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2001:17872  CAPLUS <<LOGINID::20070403>>
DOCUMENT NUMBER:          134:72394
TITLE:                    Thermosetting polymer compositions with low curing
                          shrinkage in molding and their composites with
                          inorganic fillers
INVENTOR(S):              Matsui, Fumio; Morita, Katsuhisa; Hatano, Yoshitaka;
                          Takahashi, Kentaro
PATENT ASSIGNEE(S):       Showa Highpolymer Co., Ltd., Japan
SOURCE:                   Jpn. Kokai Tokkyo Koho, 7 pp.
                          CODEN: JKXXAF
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE        APPLICATION NO.         DATE
     ---------------      ----   --------    --------------------    --------
     JP 2001002741         A     20010109    JP 1999-172869          19990618
PRIORITY APPLN. INFO.:                       JP 1999-172869          19990618

L3   ANSWER 3 OF 5  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         1997:315201  CAPLUS <<LOGINID::20070403>>
DOCUMENT NUMBER:          126:294441
TITLE:                    Thermosetting resin-inorganic fiber composite sheets
                          with visibility at high temperature
INVENTOR(S):              Uda, Takashi; Kyono, Hiroshi
PATENT ASSIGNEE(S):       Sekisui Chemical Co. Ltd., Japan
SOURCE:                   Jpn. Kokai Tokkyo Koho, 5 pp.
```

CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09067775	A	19970311	JP 1995-220221	19950829
PRIORITY APPLN. INFO.:			JP 1995-220221	19950829

L3 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1996:205069 CAPLUS <<LOGINID::20070403>>
DOCUMENT NUMBER: 124:234043
TITLE: One-component reactive adhesives which become porous during curing
INVENTOR(S): Friese, Carsten; Bergmann, Frank; Huver, Thomas
PATENT ASSIGNEE(S): Henkel Kgaa, Germany
SOURCE: Ger. Offen., 7 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 4427471	A1	19960208	DE 1994-4427471	19940803
WO 9604347	A1	19960215	WO 1995-EP2961	19950725
W: JP, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 773979	A1	19970521	EP 1995-928472	19950725
EP 773979	B1	19991013		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, NL, PT, SE				
JP 10503539	T	19980331	JP 1995-506166	19950725
AT 185583	T	19991015	AT 1995-928472	19950725
ES 2138232	T3	20000101	ES 1995-928472	19950725
US 5962540	A	19991005	US 1997-776728	19970303
PRIORITY APPLN. INFO.:			DE 1994-4427471 A	19940803
			WO 1995-EP2961 W	19950725

L3 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1996:102507 CAPLUS <<LOGINID::20070403>>
DOCUMENT NUMBER: 124:119094
TITLE: One-component reactive adhesives containing an isocyanate and/or silane group-containing adhesive and an aerobic adhesive
INVENTOR(S): Huver, Thomas; Fischer, Herbert; Klauck, Wolfgang; Bolte, Gerd
PATENT ASSIGNEE(S): Henkel KGaA, Germany
SOURCE: Ger. Offen., 6 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 4420151	A1	19951214	DE 1994-4420151	19940609
WO 9533800	A1	19951214	WO 1995-EP2047	19950530
W: JP, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 764192	A1	19970326	EP 1995-921779	19950530

EP 764192		B1	19980812			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, NL, PT, SE						
JP 10501012		T	19980127	JP 1995-500315		19950530
AT 169661		T	19980815	AT 1995-921779		19950530
ES 2119449		T3	19981001	ES 1995-921779		19950530
US 5744543		A	19980428	US 1996-750426		19961209
PRIORITY APPLN. INFO.:				DE 1994-4420151	A	19940609
				WO 1995-EP2047	W	19950530

=> file reg
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	11.33	11.99

FILE 'REGISTRY' ENTERED AT 11:43:55 ON 03 APR 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 2 APR 2007 HIGHEST RN 928880-35-7
DICTIONARY FILE UPDATES: 2 APR 2007 HIGHEST RN 928880-35-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> E "METHACRYLOYLOXETHYL"/CN 25

E1	1		METHACRYLOYLLUPININE HYDROCHLORIDE/CN
E2	1		METHACRYLOYLNEOPETASOL/CN
E3	0	-->	METHACRYLOYLOXETHYL/CN
E4	1		METHACRYLOYLOXY POLYTETRAHYDROFURAN/CN
E5	1		METHACRYLOYLOXY SILOXANES/CN
E6	1		METHACRYLOYLOXY SUCCINIMIDE/CN
E7	1		METHACRYLOYLOXY(TRIETHOXY)SILANE-TETRAETHOXYSILANE HYDROLYTIC COPOLYMER/CN
E8	1		METHACRYLOYLOXY-B-HYDROXYPROPYL N-PHENYLGLYCINE/CN
E9	1		METHACRYLOYLOXYBUTYL ANTHRANILATE/CN
E10	1		METHACRYLOYLOXYETHYL ANTHRANILATE/CN
E11	1		METHACRYLOYLOXYETHYL ANTHRANILATE POLYMER/CN
E12	1		METHACRYLOYLOXYETHYL ANTHRANILATE-BUTADIENE-STYRENE POLYMER/CN
E13	1		METHACRYLOYLOXYETHYL ANTHRANILATE-STYRENE-BUTYL ACRYLATE POLYMER/CN
E14	1		METHACRYLOYLOXYETHYL DIPHENYL PHOSPHATE/CN
E15	1		METHACRYLOYLOXYETHYL ISOCYANATE-METHOXYTETRAETHYLENE GLYCOL MONOMETHACRYLATE COPOLYMER/CN
E16	1		METHACRYLOYLOXYETHYL ISOCYANATE-METHYL METHACRYLATE COPOLYMER/CN
E17	1		METHACRYLOYLOXYETHYL ISOCYANATE-METHYL METHACRYLATE-B-(PERFLUOROOCTYL)ETHYL METHACRYLATE COPOLYMER/CN
E18	1		METHACRYLOYLOXYETHYL ISOCYANATE-METHYL METHACRYLATE-TRI(OXYTETRAMETHYLENE) GLYCOL DIMETHACRYLATE COPOLYMER/CN

```
E19           1     METHACRYLOYLOXYETHYL PHOSPHATE/CN
E20           1     METHACRYLOYLOXYETHYL
PHOSPHATE-2-METHYLSTYRENE-TRIS(2-(ACRYLOYLOXY)ETHYL) ISOCYANURATE-VINYLSULFONIC
ACID-2-VINYLTHIAZOLE-VINYL N-VALERATE COPOLYMER/CN
E21           1     METHACRYLOYLOXYETHYL
PHOSPHATE-3-METHYLSTYRENE-TRIS(2-(ACRYLOYLOXY)ETHYL) ISOCYANURATE-VINYL
BUTYRATE-2-VINYL-1,3-DIOXOLANE COPOLYMER/CN
E22           1     METHACRYLOYLOXYETHYL PHOSPHATE-ENC-POLYETHYLENE GLYCOL
DIMETHACRYLATE-RIPOXY 630X501 COPOLYMER/CN
E23           1     METHACRYLOYLOXYETHYL PHOSPHATE-METHYL METHACRYLATE COPOLYMER/CN
E24           1     METHACRYLOYLOXYETHYL PHOSPHITE/CN
E25           1     METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE-TRIFLUOROETHYL
METHACRYLATE COPOLYMER/CN

=> E 25
E26           1     METHACRYLOYLOXYETHYL PHTHALATE-4-METHACRYLOYLOXYETHYLTRIMELLITIC
ANHYDRIDE-TRIETHYLENE GLYCOL DIMETHACRYLATE-URETHANE DIMETHACRYLATE COPOLYMER/CN
E27           1     METHACRYLOYLOXYETHYL SUCCINATE/CN
E28           1     METHACRYLOYLOXYETHYL SUCCINATE-METHYL METHACRYLATE COPOLYMER/CN
E29           1     METHACRYLOYLOXYETHYL-BENZYLDIMETHYLAMMONIUM CHLORIDE/CN
E30           1     METHACRYLOYLOXYETHYLDIETHYLMETHYLAMMONIUM
P-TOLUENESULFONATE-STYRENE COPOLYMER/CN
E31           1     METHACRYLOYLOXYETHYLDIMETHYLAMINE/CN
E32           1     METHACRYLOYLOXYETHYLDIMETHYLAMMONIUM CHLORIDE-METHYL
METHACRYLATE COPOLYMER/CN
E33           1     METHACRYLOYLOXYETHYLDIMETHYLETHYLAMMONIUM CHLORIDE HOMOPOLYMER/CN
E34           1     METHACRYLOYLOXYETHYLDIMETHYLOCTYLAMMONIUM CHLORIDE-METHYL
METHACRYLATE COPOLYMER/CN
E35           1     METHACRYLOYLOXYETHYLHEXADECYLDIMETHYL AMMONIUM BROMIDE-STYRENE
COPOLYMER/CN
E36           1     METHACRYLOYLOXYETHYLHEXADECYLDIMETHYLAMMONIUM
BROMIDE-METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-METHYL METHACRYLATE-STYRENE
COPOLYMER/CN
E37           1     METHACRYLOYLOXYETHYLMETHYL ANTHRANILATE-ETHYL ACRYLATE POLYMER/CN
E38           1     METHACRYLOYLOXYETHYLTRIMETHYL AMMONIUM
CHLORIDE-N-METHYLOLACRYLAMIDE-N-VINYL-2-PYRROLIDINONE COPOLYMER/CN
E39           1     METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE HOMOPOLYMER/CN
E40           1     METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-ACRYLAMIDE
COPOLYMER/CN
E41           1     METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM
CHLORIDE-ACRYLOYLMORPHOLINE-POLYETHYLENE GLYCOL DIMETHACRYLATE COPOLYMER/CN
E42           1     METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-ETHYL
METHACRYLATE COPOLYMER/CN
E43           1     METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-LAURYL
METHACRYLATE COPOLYMER/CN
E44           1     METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-METHYL
METHACRYLATE COPOLYMER/CN
E45           1     METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-METHYL
METHACRYLATE-N-VINYL-2-PYRROLIDONE COPOLYMER/CN
E46           1     METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-MS 3800 GRAFT
COPOLYMER/CN
E47           1     METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM
CHLORIDE-N,N-DIMETHYLACRYLAMIDE-PENTAERYTHRITOL TRIALLYL ETHER COPOLYMER/CN
E48           1     METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-N-VINYLFORMAMIDE
COPOLYMER/CN
E49           1     METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-POLYETHYLENE
GLYCOL METHYL ETHER METHACRYLATE COPOLYMER/CN
E50           1     METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-SODIUM
METHALLYLSULFONATE COPOLYMER/CN

=> E "2-METHACRYLOYLOXETHYL PHOSPHORYLCHOLINE"/CN 25
E1            1     2-METHACRYLOYLBENZALDEHYDE/CN
E2            1     2-METHACRYLOYLBENZOXAZOLE/CN
E3            0 --> 2-METHACRYLOYLOXETHYL PHOSPHORYLCHOLINE/CN
```

```
E4            1      2-METHACRYLOYLOXY-2'-METHOXY-1,1'-BINAPHTHALENE/CN
E5            1      2-METHACRYLOYLOXY-2'-METHOXY-1,1'-BINAPHTHALENE HOMOPOLYMER/CN
E6            1
2-METHACRYLOYLOXY-2-CHLOROETHYL(2-METHACRYLOYLOXY-2-BROMOETHYL)(2,3-DIBROMOPROPYL)PH
OSPHINE OXIDE/CN
E7            1      2-METHACRYLOYLOXY-2-METHYLADAMANTANE/CN
E8            1
2-METHACRYLOYLOXY-2-METHYLADAMANTANE-A-METHACRYLOYLOXY-Γ-BUTYROLACTONE-1-ACRYLOYLO
XY-3-HYDROXYADAMANTANE COPOLYMER/CN
E9            1
2-METHACRYLOYLOXY-2-METHYLADAMANTANE-A-METHACRYLOYLOXY-Γ-BUTYROLACTONE-1-METHACRYL
OYLOXY-3-HYDROXYADAMANTANE COPOLYMER/CN
E10           1
2-METHACRYLOYLOXY-2-METHYLADAMANTANE-B-METHACRYLOYLOXY-B-METHYL-Δ-VALEROLACTONE
COPOLYMER/CN
E11           1
2-METHACRYLOYLOXY-7-(1-ADAMANTYLOXY)CARBONYL-4-OXATRICYCLO(4.2.1.03,7)NONAN-5-ONE/CN
E12           1
2-METHACRYLOYLOXY-7-(1-ETHYLCYCLOHEXYLOXY)CARBONYL-4-OXATRICYCLO(4.2.1.03,7)NONAN-5-
ONE/CN
E13           1
2-METHACRYLOYLOXY-7-(2-METHYL-2-ADAMANTYLOXY)CARBONYL-4-OXATRICYCLO(4.2.1.03,7)NONAN
-5-ONE/CN
E14           1      2-METHACRYLOYLOXYBENZOIC ACID/CN
E15           1      2-METHACRYLOYLOXYBENZOYL CHLORIDE/CN
E16           1      2-METHACRYLOYLOXYETHYL B,D-GALACTOPYRANOSIDE HOMOPOLYMER/CN
E17           1      2-METHACRYLOYLOXYETHYL 2,3,5-TRIIODOBENZOATE/CN
E18           1      2-METHACRYLOYLOXYETHYL 2,3,5-TRIIODOBENZOATE HOMOPOLYMER/CN
E19           1      2-METHACRYLOYLOXYETHYL 2,5-DIMETHOXYSTILBENE-4'-CARBAMATE/CN
E20           1      2-METHACRYLOYLOXYETHYL 2,5-DIMETHOXYSTILBENE-4'-CARBAMATE
POLYMER/CN
E21           1      2-METHACRYLOYLOXYETHYL 2-HYDROXYPROPYL PHTHALATE/CN
E22           1      2-METHACRYLOYLOXYETHYL 3-CHLORO-4-HYDROXYBENZOATE/CN
E23           1      2-METHACRYLOYLOXYETHYL 4'-CHALCONECARBOXYLATE/CN
E24           1      2-METHACRYLOYLOXYETHYL 4'-CHALCONECARBOXYLATE POLYMER/CN
E25           1      2-METHACRYLOYLOXYETHYL 4-CHALCONECARBOXYLATE/CN

=> E "METHACRYLOYLOXETHYL PHOSPHORYLCHOLINE"/CN 25
E1            1      METHACRYLOYLLUPININE HYDROCHLORIDE/CN
E2            1      METHACRYLOYLNEOPETASOL/CN
E3            0 --> METHACRYLOYLOXETHYL PHOSPHORYLCHOLINE/CN
E4            1      METHACRYLOYLOXY POLYTETRAHYDROFURAN/CN
E5            1      METHACRYLOYLOXY SILOXANES/CN
E6            1      METHACRYLOYLOXY SUCCINIMIDE/CN
E7            1      METHACRYLOYLOXY(TRIETHOXY)SILANE-TETRAETHOXYSILANE HYDROLYTIC
COPOLYMER/CN
E8            1      METHACRYLOYLOXY-B-HYDROXYPROPYL N-PHENYLGLYCINE/CN
E9            1      METHACRYLOYLOXYBUTYL ANTHRANILATE/CN
E10           1      METHACRYLOYLOXYETHYL ANTHRANILATE/CN
E11           1      METHACRYLOYLOXYETHYL ANTHRANILATE POLYMER/CN
E12           1      METHACRYLOYLOXYETHYL ANTHRANILATE-BUTADIENE-STYRENE POLYMER/CN
E13           1      METHACRYLOYLOXYETHYL ANTHRANILATE-STYRENE-BUTYL ACRYLATE
POLYMER/CN
E14           1      METHACRYLOYLOXYETHYL DIPHENYL PHOSPHATE/CN
E15           1      METHACRYLOYLOXYETHYL ISOCYANATE-METHOXYTETRAETHYLENE GLYCOL
MONOMETHACRYLATE COPOLYMER/CN
E16           1      METHACRYLOYLOXYETHYL ISOCYANATE-METHYL METHACRYLATE COPOLYMER/CN
E17           1      METHACRYLOYLOXYETHYL ISOCYANATE-METHYL
METHACRYLATE-B-(PERFLUOROOCTYL)ETHYL METHACRYLATE COPOLYMER/CN
E18           1      METHACRYLOYLOXYETHYL ISOCYANATE-METHYL
METHACRYLATE-TRI(OXYTETRAMETHYLENE) GLYCOL DIMETHACRYLATE COPOLYMER/CN
E19           1      METHACRYLOYLOXYETHYL PHOSPHATE/CN
E20           1      METHACRYLOYLOXYETHYL
PHOSPHATE-2-METHYLSTYRENE-TRIS(2-(ACRYLOYLOXY)ETHYL) ISOCYANURATE-VINYLSULFONIC
ACID-2-VINYLTHIAZOLE-VINYL N-VALERATE COPOLYMER/CN
```

```
E21           1     METHACRYLOYLOXYETHYL
PHOSPHATE-3-METHYLSTYRENE-TRIS(2-(ACRYLOYLOXY)ETHYL) ISOCYANURATE-VINYL
BUTYRATE-2-VINYL-1,3-DIOXOLANE COPOLYMER/CN
E22           1     METHACRYLOYLOXYETHYL PHOSPHATE-ENC-POLYETHYLENE GLYCOL
DIMETHACRYLATE-RIPOXY 630X501 COPOLYMER/CN
E23           1     METHACRYLOYLOXYETHYL PHOSPHATE-METHYL METHACRYLATE COPOLYMER/CN
E24           1     METHACRYLOYLOXYETHYL PHOSPHITE/CN
E25           1     METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE-TRIFLUOROETHYL
METHACRYLATE COPOLYMER/CN

=>

=>
Executing the logoff script...


=> LOG H

COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       2.25      14.24

 SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 11:46:38 ON 03 APR 2007

Connecting via Winsock to STN



Welcome to STN International!  Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 11:49:58 ON 03 APR 2007
FILE 'REGISTRY' ENTERED AT 11:49:58 ON 03 APR 2007
COPYRIGHT (C) 2007 American Chemical Society (ACS)

COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       2.25      14.24

=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       2.25      14.24

FILE 'REGISTRY' ENTERED AT 11:50:07 ON 03 APR 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2007 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:    2 APR 2007  HIGHEST RN 928880-35-7
DICTIONARY FILE UPDATES:   2 APR 2007  HIGHEST RN 928880-35-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006
```

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

```
=> E "METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE"/CN 25
E1            1     METHACRYLOYLOXYETHYL PHOSPHATE-METHYL METHACRYLATE COPOLYMER/CN
E2            1     METHACRYLOYLOXYETHYL PHOSPHITE/CN
E3            0 --> METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE/CN
E4            1     METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE-TRIFLUOROETHYL
METHACRYLATE COPOLYMER/CN
E5            1     METHACRYLOYLOXYETHYL PHTHALATE-4-METHACRYLOYLOXYETHYLTRIMELLITIC
ANHYDRIDE-TRIETHYLENE GLYCOL DIMETHACRYLATE-URETHANE DIMETHACRYLATE COPOLYMER/CN
E6            1     METHACRYLOYLOXYETHYL SUCCINATE/CN
E7            1     METHACRYLOYLOXYETHYL SUCCINATE-METHYL METHACRYLATE COPOLYMER/CN
E8            1     METHACRYLOYLOXYETHYL-BENZYLDIMETHYLAMMONIUM CHLORIDE/CN
E9            1     METHACRYLOYLOXYETHYLDIETHYLMETHYLAMMONIUM
P-TOLUENESULFONATE-STYRENE COPOLYMER/CN
E10           1     METHACRYLOYLOXYETHYLDIMETHYLAMINE/CN
E11           1     METHACRYLOYLOXYETHYLDIMETHYLAMMONIUM CHLORIDE-METHYL
METHACRYLATE COPOLYMER/CN
E12           1     METHACRYLOYLOXYETHYLDIMETHYLETHYLAMMONIUM CHLORIDE HOMOPOLYMER/CN
E13           1     METHACRYLOYLOXYETHYLDIMETHYLOCTYLAMMONIUM CHLORIDE-METHYL
METHACRYLATE COPOLYMER/CN
E14           1     METHACRYLOYLOXYETHYLHEXADECYLDIMETHYL AMMONIUM BROMIDE-STYRENE
COPOLYMER/CN
E15           1     METHACRYLOYLOXYETHYLHEXADECYLDIMETHYLAMMONIUM
BROMIDE-METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-METHYL METHACRYLATE-STYRENE
COPOLYMER/CN
E16           1     METHACRYLOYLOXYETHYLMETHYL ANTHRANILATE-ETHYL ACRYLATE POLYMER/CN
E17           1     METHACRYLOYLOXYETHYLTRIMETHYL AMMONIUM
CHLORIDE-N-METHYLOLACRYLAMIDE-N-VINYL-2-PYRROLIDINONE COPOLYMER/CN
E18           1     METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE HOMOPOLYMER/CN
E19           1     METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-ACRYLAMIDE
COPOLYMER/CN
E20           1     METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM
CHLORIDE-ACRYLOYLMORPHOLINE-POLYETHYLENE GLYCOL DIMETHACRYLATE COPOLYMER/CN
E21           1     METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-ETHYL
METHACRYLATE COPOLYMER/CN
E22           1     METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-LAURYL
METHACRYLATE COPOLYMER/CN
E23           1     METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-METHYL
METHACRYLATE COPOLYMER/CN
E24           1     METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-METHYL
METHACRYLATE-N-VINYL-2-PYRROLIDONE COPOLYMER/CN
E25           1     METHACRYLOYLOXYETHYLTRIMETHYLAMMONIUM CHLORIDE-MS 3800 GRAFT
COPOLYMER/CN

=> E "2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE"/CN 25
E1            1     2-METHACRYLOYLOXYETHYL PHOSPHATE-SODIUM ACRYLATE COPOLYMER/CN
E2            1     2-METHACRYLOYLOXYETHYL PHOSPHATE-STYRENE COPOLYMER/CN
E3            1 --> 2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE/CN
E4            1     2-METHACRYLOYLOXYETHYL
PHOSPHORYLCHOLINE-(4-METHOXYCINNAMOYL)PHENYL METHACRYLATE COPOLYMER/CN
E5            1     2-METHACRYLOYLOXYETHYL
PHOSPHORYLCHOLINE-3-METHACRYLOYLOXYPROPYLTRIETHOXYSILANE COPOLYMER/CN
E6            1     2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE-METHYLENEBISACRYLAMIDE
COPOLYMER/CN
E7            1     2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE-OXIRANE BLOCK
COPOLYMER/CN
```

```
E8            1     2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE-P-PHENYLAZOACRYLANILIDE
COPOLYMER/CN
E9            1     2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE-PROPYL METHACRYLATE
COPOLYMER/CN
E10           1     2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE-PROPYLENE OXIDE BLOCK
COPOLYMER/CN
E11           1     2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE-STYRENE COPOLYMER/CN
E12           1     2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE-TRIETHYLENE GLYCOL
DIMETHACRYLATE COPOLYMER/CN
E13           1     2-METHACRYLOYLOXYETHYL PHTHALATE-METHYL METHACRYLATE COPOLYMER/CN
E14           1     2-METHACRYLOYLOXYETHYL PHTHALIC ACID ZINC SALT/CN
E15           2     2-METHACRYLOYLOXYETHYL SUCCINATE/CN
E16           1     2-METHACRYLOYLOXYETHYL SUCCINATE-2,2,2-TRIFLUOROETHYL
METHACRYLATE-YDCN 703 COPOLYMER/CN
E17           1     2-METHACRYLOYLOXYETHYL SUCCINATE-STYRENE COPOLYMER/CN
E18           1     2-METHACRYLOYLOXYETHYL SULFATE PYRIDINE SALT/CN
E19           1     2-METHACRYLOYLOXYETHYL
TRANS-2,5-DIMETHOXYSTILBENE-4'-CARBAMATE/CN
E20           1     2-METHACRYLOYLOXYETHYL TRIMELLITATE/CN
E21           1     2-METHACRYLOYLOXYETHYL TRIMETHYLAMMONIUM CHLORIDE-METHYL
METHACRYLATE-ETHYL METHACRYLATE COPOLYMER/CN
E22           1     2-METHACRYLOYLOXYETHYL-2'-(TRIMETHYLAMMONIO)ETHYL
PHOSPHATE-POLYPROPYLENE GLYCOL MONOMETHACRYLATE COPOLYMER/CN
E23           1     2-METHACRYLOYLOXYETHYL-2'-(TRIMETHYLAMMONIO)ETHYL
PHOSPHATE-STEARYL METHACRYLATE COPOLYMER/CN
E24           1     2-METHACRYLOYLOXYETHYL-2'-TRIMETHYLAMMONIUMETHYL PHOSPHATE INNER
SALT-POLYETHYLENE GLYCOL METHACRYLATE BLOCK COPOLYMER/CN
E25           1     2-METHACRYLOYLOXYETHYL-2-(TRIMETHYLAMMONIO)ETHYL
PHOSPHATE-STEARYL METHACRYLATE COPOLYMER/CN

=> S E3
L4            1 "2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE"/CN

=> file reg
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                                 5.40      19.64

FILE 'REGISTRY' ENTERED AT 11:50:52 ON 03 APR 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2007 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:    2 APR 2007  HIGHEST RN 928880-35-7
DICTIONARY FILE UPDATES:   2 APR 2007  HIGHEST RN 928880-35-7

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> s l4
```

```
L5            1 "2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE"/CN

=> d ibib
'IBIB' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual
fields or predefined formats.  The predefined substance formats
are:  (RN = CAS Registry Number)

REG     - RN
SAM     - Index Name, MF, and structure - no RN
FIDE    - All substance data, except sequence data
IDE     - FIDE, but only 50 names
SQIDE   - IDE, plus sequence data
SQIDE3  - Same as SQIDE, but 3-letter amino acid codes are used
SQD     - Protein sequence data, includes RN
SQD3    - Same as SQD, but 3-letter amino acid codes are used
SQN     - Protein sequence name information, includes RN

CALC    - Table of calculated properties
EPROP   - Table of experimental properties
PROP    - EPROP and CALC

Any CA File format may be combined with any substance format to
obtain CA references citing the substance.  The substance formats
must be cited first.  The CA File predefined formats are:

ABS  -- Abstract
APPS -- Application and Priority Information
BIB  -- CA Accession Number, plus Bibliographic Data
CAN  -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND  -- Index Data
IPC  -- International Patent Classification
PATS -- PI, SO
STD  -- BIB, IPC, and NCL

IABS -- ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB -------- AN, plus Bibliographic Data (original)
OIBIB ------- OBIB, indented with text labels

SBIB -------- BIB, no citations
SIBIB ------- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when
it is available.
The MAX format is the same as ALL.
The IALL format is the same as ALL with BIB ABS and IND indented,
with text labels.

For additional information, please consult the following help
messages:

HELP DFIELDS -- To see a complete list of individual display fields.
HELP FORMATS -- To see detailed descriptions of the predefined formats.
ENTER DISPLAY FORMAT (IDE):end

=> file caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
```

```
                                                      ENTRY    SESSION
FULL ESTIMATED COST                                    5.40      25.04

FILE 'CAPLUS' ENTERED AT 11:51:09 ON 03 APR 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)
```



```
FILE COVERS 1907 - 3 Apr 2007  VOL 146 ISS 15
FILE LAST UPDATED: 2 Apr 2007  (20070402/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l4
L6          222 L4

=> d his

     (FILE 'HOME' ENTERED AT 11:41:25 ON 03 APR 2007)

     FILE 'REGISTRY' ENTERED AT 11:41:52 ON 03 APR 2007
L1            1 S 2495-37-6

     FILE 'CAPLUS' ENTERED AT 11:42:05 ON 03 APR 2007
L2           27 S L1/POF
L3            5 S L2 NOT PY>2001

     FILE 'REGISTRY' ENTERED AT 11:43:55 ON 03 APR 2007
                E "METHACRYLOYLOXETHYL"/CN 25
                E "2-METHACRYLOYLOXETHYL PHOSPHORYLCHOLINE"/CN 25
                E "METHACRYLOYLOXETHYL PHOSPHORYLCHOLINE"/CN 25

     FILE 'REGISTRY' ENTERED AT 11:50:07 ON 03 APR 2007
                E "METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE"/CN 25
                E "2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE"/CN 25
L4            1 S E3

     FILE 'REGISTRY' ENTERED AT 11:50:52 ON 03 APR 2007
L5            1 S L4

     FILE 'CAPLUS' ENTERED AT 11:51:09 ON 03 APR 2007
L6          222 S L4

=> s l1
L7          504 L1

=> s l6 and l7
L8            0 L6 AND L7

=> s l6 and benzyl
```

```
        181949 BENZYL
            55 BENZYLS
        181973 BENZYL
                  (BENZYL OR BENZYLS)
L9            0 L6 AND BENZYL

=> s agglutination
         14384 AGGLUTINATION
           139 AGGLUTINATIONS
L10      14438 AGGLUTINATION
                  (AGGLUTINATION OR AGGLUTINATIONS)

=> s l10 and l7
L11           0 L10 AND L7

=> s l10 and l6
L12           2 L10 AND L6

=> d ibib 1-2

L12  ANSWER 1 OF 2  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2002:172237  CAPLUS <<LOGINID::20070403>>
DOCUMENT NUMBER:          136:213193
TITLE:                    Highly reproducible agglutination
                          immunoassay method and reagent
INVENTOR(S):              Shigenobu, Kayoko; Shuto, Kenshiro; Sakaki, Shujiro
PATENT ASSIGNEE(S):       Kyowa Medex Co.,ltd, Japan; Nof Corporation
SOURCE:                   PCT Int. Appl., 35 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 Japanese
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.           KIND   DATE       APPLICATION NO.          DATE
     ---------------      ----   --------   --------------------     --------
     WO 2002018953         A1    20020307   WO 2001-JP7385           20010828
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL,
             PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,
             US, UZ, VN, YU, ZA, ZW
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     CA 2420770            A1    20020307   CA 2001-2420770          20010828
     AU 200180210          A     20020313   AU 2001-80210            20010828
     EP 1314982            A1    20030528   EP 2001-958575           20010828
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
     US 2003166302         A1    20030904   US 2003-363038           20030228
     US 7166476            B2    20070123
PRIORITY APPLN. INFO.:                      JP 2000-259964      A  20000829
                                            WO 2001-JP7385      W  20010828
REFERENCE COUNT:          3     THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12  ANSWER 2 OF 2  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2001:617197  CAPLUS <<LOGINID::20070403>>
DOCUMENT NUMBER:          135:192510
TITLE:                    Microparticle dispersion agent for clinical test,
                          reagent for clinical test, its manufacturing method,
                          clinical test method and application
```

INVENTOR(S): Shudo, Kenshiro; Sakaki, Shujiro; Yamada, Satoru; Sakamoto, Nobuyuki; Suzuki, Tadashi
PATENT ASSIGNEE(S): Nof Corporation, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 12 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001228149	A	20010824	JP 2000-34931	20000214
PRIORITY APPLN. INFO.:			JP 2000-34931	20000214

=> d abs 2

L12 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN
AB A microparticle dispersion agent for a clin. test is provided, which improves a dispersion stability of the microparticle-containing reagent and a redispersion ability of the microparticles for clin. test coagulated during the process of reagent preparation or measurement without decreasing the activity of the bound antigen or antibody. The microparticle dispersion agent possessing high reproducibility and high sensitivity is processed by a simple method suited for an automated analyzer. The agent contains as an effective component a polymer prepared by polymerizing the monomer composition consisting of phosphorylcholin-analogous group-containing monomer (e.g., 2-(meth)acryloyloxyethyl-2'-(trimethylammonio)ethylphosphate).

=> d his

(FILE 'HOME' ENTERED AT 11:41:25 ON 03 APR 2007)

FILE 'REGISTRY' ENTERED AT 11:41:52 ON 03 APR 2007
L1 1 S 2495-37-6

FILE 'CAPLUS' ENTERED AT 11:42:05 ON 03 APR 2007
L2 27 S L1/POF
L3 5 S L2 NOT PY>2001

FILE 'REGISTRY' ENTERED AT 11:43:55 ON 03 APR 2007
E "METHACRYLOYLOXETHYL"/CN 25
E "2-METHACRYLOYLOXETHYL PHOSPHORYLCHOLINE"/CN 25
E "METHACRYLOYLOXETHYL PHOSPHORYLCHOLINE"/CN 25

FILE 'REGISTRY' ENTERED AT 11:50:07 ON 03 APR 2007
E "METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE"/CN 25
E "2-METHACRYLOYLOXYETHYL PHOSPHORYLCHOLINE"/CN 25
L4 1 S E3

FILE 'REGISTRY' ENTERED AT 11:50:52 ON 03 APR 2007
L5 1 S L4

FILE 'CAPLUS' ENTERED AT 11:51:09 ON 03 APR 2007
L6 222 S L4
L7 504 S L1
L8 0 S L6 AND L7
L9 0 S L6 AND BENZYL
L10 14438 S AGGLUTINATION
L11 0 S L10 AND L7
L12 2 S L10 AND L6

```
=> s l6 not py>2002
       5101876 PY>2002
L13          88 L6 NOT PY>2002

=> s l13 and methacrylate
          218320 METHACRYLATE
           11962 METHACRYLATES
          220696 METHACRYLATE
                 (METHACRYLATE OR METHACRYLATES)
L14          50 L13 AND METHACRYLATE

=> s l13 and arylacrylate
              50 ARYLACRYLATE
              53 ARYLACRYLATES
              85 ARYLACRYLATE
                 (ARYLACRYLATE OR ARYLACRYLATES)
L15           0 L13 AND ARYLACRYLATE

=> d l14 ibib kwic

L14  ANSWER 1 OF 50  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2003:134901  CAPLUS <<LOGINID::20070403>>
DOCUMENT NUMBER:          139:265636
TITLE:                    Segmented polyurethane/ 2-methacryloyloxyethyl
                          phosphorylcholine polymer alloy as novel biomaterials
                          with nano-scale polymer domains
AUTHOR(S):                Ogawa, Ryo; Watanabe, Junji; Ishihara, Kazuhiko
CORPORATE SOURCE:         Department of Materials Engineering, School of
                          Engineering, The University of Tokyo, Japan
SOURCE:                   Transactions of the Materials Research Society of
                          Japan (2002), 27(4), 767-770
                          CODEN: TMRJE3; ISSN: 1382-3469
PUBLISHER:                Materials Research Society of Japan
DOCUMENT TYPE:            Journal
LANGUAGE:                 English
REFERENCE COUNT:          15    THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
IT   182816-96-2P, 2-Ethylhexyl methacrylate-2-methacryloyloxyethyl
     phosphorylcholine copolymer
     RL: PEP (Physical, engineering or chemical process); PRP (Properties); PYP
     (Physical process); SPN (Synthetic preparation); THU (Therapeutic use);
     BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
        (polymer alloy of segmented polyurethane with 2-methacryloyloxyethyl
        phosphorylcholine polymer as novel biomaterials with nano-scale polymer
        domains)
IT   67881-98-5P, 2-Methacryloyloxyethyl phosphorylcholine
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
        (polymer alloy of segmented polyurethane with 2-methacryloyloxyethyl
        phosphorylcholine polymer as novel biomaterials with nano-scale polymer
        domains)


=> s l14 and benz?
         1292616 BENZ?
L16           3 L14 AND BENZ?

=> d ibib 1-3

L16  ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:         2000:69582  CAPLUS <<LOGINID::20070403>>
DOCUMENT NUMBER:          132:208187
TITLE:                    Kinetic study on the radical polymerization of
```

2-methacryloyloxyethyl phosphorylcholine
AUTHOR(S): Sato, Tsuneyuki; Miyoshi, Takashi; Seno, Makiko
CORPORATE SOURCE: Department of Chemical Science and Technology, Faculty of Engineering, Tokushima University, Tokushima, 770-8506, Jordan
SOURCE: Journal of Polymer Science, Part A: Polymer Chemistry (2000), 38(3), 509-515
CODEN: JPACEC; ISSN: 0887-624X
PUBLISHER: John Wiley & Sons, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L16 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1998:512479 CAPLUS <<LOGINID::20070403>>
DOCUMENT NUMBER: 129:221223
TITLE: Soluble cellulose derivatives, their manufacture, grafted products, and biocompatible materials
INVENTOR(S): Fukui, Hiroki; Matsuyama, Kazuo; Ishihara, Kazuhiko; Nakahayashi, Nobuo
PATENT ASSIGNEE(S): Nippon Oil and Fats Co., Ltd., Japan; Nakabayashi, Norio; Foundation for Scientific Technology Promotion
SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10212301	A	19980811	JP 1997-14988	19970129
PRIORITY APPLN. INFO.:			JP 1997-14988	19970129

L16 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1997:381020 CAPLUS <<LOGINID::20070403>>
DOCUMENT NUMBER: 126:343686
TITLE: Synthesis of polymerizable phosphodiesters
INVENTOR(S): Driver, Michael John; Russel, Jeremy Colin; Browne, Judith Elizabeth; Sammes, Peter G.
PATENT ASSIGNEE(S): Biocompatibles Limited, UK; Driver, Michael John; Russel, Jeremy Colin; Browne, Judith Elizabeth; Sammes, Peter G.
SOURCE: PCT Int. Appl., 52 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9714703	A1	19970424	WO 1996-GB2540	19961016
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG				
CA 2233161	A1	19970424	CA 1996-2233161	19961016
AU 9673121	A	19970507	AU 1996-73121	19961016
EP 874857	A1	19981104	EP 1996-935017	19961016

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI

CN 1202899	A	19981223	CN 1996-198530		19961016
JP 11513681	T	19991124	JP 1996-515610		19961016
PRIORITY APPLN. INFO.:			GB 1995-21234	A	19951017
			WO 1996-GB2540	W	19961016

OTHER SOURCE(S): CASREACT 126:343686; MARPAT 126:343686

=> d ibib kwic 1-3

L16 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2000:69582 CAPLUS <<LOGINID::20070403>>
DOCUMENT NUMBER: 132:208187
TITLE: Kinetic study on the radical polymerization of 2-methacryloyloxyethyl phosphorylcholine
AUTHOR(S): Sato, Tsuneyuki; Miyoshi, Takashi; Seno, Makiko
CORPORATE SOURCE: Department of Chemical Science and Technology, Faculty of Engineering, Tokushima University, Tokushima, 770-8506, Jordan
SOURCE: Journal of Polymer Science, Part A: Polymer Chemistry (2000), 38(3), 509-515
CODEN: JPACEC; ISSN: 0887-624X
PUBLISHER: John Wiley & Sons, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

AB Polymerization of 2-(methacryloyloxy)ethyl phosphorylcholine (MPC) was kinetically investigated in ethanol using di-Me 2,2'-azobisisobutyrate (MAIB) as initiator. The overall activation energy of the homogeneous polymerization was calculated to be 71 kJ/mol. The polymerization rate (Rp) was expressed by Rp = k[MAIB]0.54=0.05 [MPC]1.8±0.1. The higher dependence of Rp on the monomer concentration comes from acceleration of propagation due to monomer aggregation and also from retardation of termination due to viscosity effect of the MPC monomer. Rate consts. of propagation (kp) and termination (kt) of MPC were estimated by means of ESR to be kp = 180 L/mol · s and kt = 2.8 + 104 L/mol · s at 60°C, resp. Because of much slower termination, Rp of MPC in ethanol was found at 60°C to be 8 times that of Me methacrylate (MMA) in benzene. Polymerization of MPC with MAIB in ethanol was accelerated by the presence of water and retarded by the presence of benzene or acetonitrile. Poly(MPC) showed a peculiar solubility behavior; although poly(MPC) was highly soluble in ethanol and in water, it was insol. in aqueous ethanol of water content of 7.4-39.8 vol%. The radical copolymn. of MPC (M1) and styrene (St) (M2) in ethanol at 50°C gave the following copolymn. parameters similar to those of the copolymn. of MMA and St; r1 = 0.39, r2 = 0.46, Q1 = 0.76, and e1 = + 0.51.

IT 67881-98-5, 2-(Methacryloyloxy)ethyl phosphorylcholine
RL: PRP (Properties); RCT (Reactant); RACT (Reactant or reagent)
(kinetics and reactivity ratio in radical polymerization of)

IT 64-17-5, Ethanol, uses 71-43-2, Benzene, uses 75-05-8, Acetonitrile, uses 7732-18-5, Water, uses
RL: TEM (Technical or engineered material use); USES (Uses)
(solvent effect on radical solution polymerization of methacryloyloxyethyl phosphorylcholine)

L16 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1998:512479 CAPLUS <<LOGINID::20070403>>
DOCUMENT NUMBER: 129:221223
TITLE: Soluble cellulose derivatives, their manufacture, grafted products, and biocompatible materials
INVENTOR(S): Fukui, Hiroki; Matsuyama, Kazuo; Ishihara, Kazuhiko;

Nakahayashi, Nobuo
PATENT ASSIGNEE(S): Nippon Oil and Fats Co., Ltd., Japan; Nakabayashi, Norio; Foundation for Scientific Technology Promotion
SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10212301	A	19980811	JP 1997-14988	19970129

PRIORITY APPLN. INFO.: JP 1997-14988 19970129

IT 868-77-9DP, 2-Hydroxyethyl methacrylate, graft copolymers with tert-butylperoxycarbonylmethyl hydroxypropyl Me cellulose 67881-98-5DP, 2-(Methacryloyloxy)ethyl 2-(trimethylammonio)ethyl phosphate, graft copolymers with tert-butylperoxycarbonylmethyl hydroxypropyl Me cellulose 87026-37-7DP, reaction products with hydroxypropyl Me cellulose, graft copolymers with 2-(methacryloyloxy)ethyl 2-(trimethylammonio)ethyl phosphate 88475-85-8DP, tert-Butylperoxy 4-(bromomethyl)benzoate, reaction products with hydroxypropyl Me cellulose, graft copolymers with 2-(methacryloyloxy)ethyl 2-(trimethylammonio)ethyl phosphate
RL: PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of soluble cellulose graft polymers for biocompatible medical materials)

IT 75-91-2, tert-Butyl hydroperoxide 9004-65-3, Hydroxypropyl methyl cellulose 22118-09-8, Bromoacetyl chloride 52780-16-2, 4-(Bromomethyl) benzoyl chloride
RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of soluble cellulose graft polymers for biocompatible medical materials)

L16 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1997:381020 CAPLUS <<LOGINID::20070403>>
DOCUMENT NUMBER: 126:343686
TITLE: Synthesis of polymerizable phosphodiesters
INVENTOR(S): Driver, Michael John; Russel, Jeremy Colin; Browne, Judith Elizabeth; Sammes, Peter G.
PATENT ASSIGNEE(S): Biocompatibles Limited, UK; Driver, Michael John; Russel, Jeremy Colin; Browne, Judith Elizabeth; Sammes, Peter G.
SOURCE: PCT Int. Appl., 52 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9714703	A1	19970424	WO 1996-GB2540	19961016
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG				
CA 2233161	A1	19970424	CA 1996-2233161	19961016
AU 9673121	A	19970507	AU 1996-73121	19961016
EP 874857	A1	19981104	EP 1996-935017	19961016

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI

CN 1202899	A	19981223	CN 1996-198530		19961016
JP 11513681	T	19991124	JP 1996-515610		19961016
PRIORITY APPLN. INFO.:			GB 1995-21234	A	19951017
			WO 1996-GB2540	W	19961016

OTHER SOURCE(S): CASREACT 126:343686; MARPAT 126:343686

AB A mono- of di-functional phosphoramidite phosphitylating agent is used to phosphitylate an ethylenically unsatd. alc. The product may be oxidized to form the corresponding phosphate ester which may be reacted in further steps to form phosphoryl choline derivs. The process is of value in the synthesis of 2-(methacryloyloxyethyl)-2'-(trimethylammoniumethyl)phosphate, inner salt. It has the advantage over prior art processes in that the starting materials and intermediates are more stable and consequently easier to handle. Thus, reaction of hydroxyethyl methacrylate with [(Me2CH)2N]2POCH2CH2CN in the presence of 4,5-dichloroimidazole in MeCN in the presence of 4A° mol. sieves gave (Me2CH)2NP(OCH2CH2CN)(OCH2CH2OC(O)CMe:CH2) which on treatment with BrCH2CH2OH gave (BrCH2CH2O)P(OCH2CH2CN)(OCH2CH2OC(O)CMe:CH2). Oxidation of the later with 3-chloroperbenzoic acid followed by treatment with Et3N in MeCN gave title compound, 2-(methacryloyloxyethyl)-2'-(trimethylammoniumethyl)phosphate, inner salt in 30% overall yield.

IT 28623-31-6P 132270-46-3P 190070-83-8P 190070-96-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction with hydroxyethyl methacrylate)

IT 67881-98-5P 166384-17-4P 168638-95-7P 168638-97-9P
190070-89-4P 190070-93-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

IT 65-85-0, Benzoic acid, reactions 110-94-1, Pentanedioic acid
124-04-9, Hexanedioic acid, reactions
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction with aminodioxaphospholane)

IT 102691-36-1
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction with hydroxyethyl methacrylate)

=>

---Logging off of STN---

=>
Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	40.27	65.31
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.34	-2.34

STN INTERNATIONAL LOGOFF AT 12:05:28 ON 03 APR 2007

Connecting via Winsock to STN